

Igor F Zhimulev

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

1,415
citations

361413

20
h-index

377865

34
g-index

57
all docs

57
docs citations

57
times ranked

1167
citing authors

#	ARTICLE	IF	CITATIONS
1	Super-resolution microscopy reveals stochastic initiation of replication in <i>Drosophila</i> polytene chromosomes. <i>Chromosome Research</i> , 2022, , 1.	2.2	0
2	Selection of reference genes for quantitative analysis of microRNA expression in three different types of cancer. <i>PLoS ONE</i> , 2022, 17, e0254304.	2.5	3
3	Replication timing analysis in polyploid cells reveals Rif1 uses multiple mechanisms to promote underreplication in <i>Drosophila</i> . <i>Genetics</i> , 2021, 219, .	2.9	4
4	The Organization of Pericentromeric Heterochromatin in Polytene Chromosome 3 of the <i>Drosophila melanogaster</i> Line with the Rif1 ¹ ; SuURES Su(var)3-906 Mutations Suppressing Underreplication. <i>Cells</i> , 2021, 10, 2809.	4.1	0
5	Faint gray bands in <i>Drosophila melanogaster</i> polytene chromosomes are formed by coding sequences of housekeeping genes. <i>Chromosoma</i> , 2020, 129, 25-44.	2.2	5
6	Profiling 25 Bone Marrow microRNAs in Acute Leukemias and Secondary Nonleukemic Hematopoietic Conditions. <i>Biomedicines</i> , 2020, 8, 607.	3.2	6
7	Nucleosome Positioning around Transcription Start Site Correlates with Gene Expression Only for Active Chromatin State in <i>Drosophila</i> Interphase Chromosomes. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9282.	4.1	2
8	Intratumoral Heterogeneity of Expression of 16 miRNA in Luminal Cancer of the Mammary Gland. <i>Non-coding RNA</i> , 2020, 6, 16.	2.6	5
9	Effects of Mutations in the <i>Drosophila melanogaster</i> Rif1 Gene on the Replication and Underreplication of Pericentromeric Heterochromatin in Salivary Gland Polytene Chromosomes. <i>Cells</i> , 2020, 9, 1501.	4.1	5
10	Genes Containing Long Introns Occupy Series of Bands and Interbands in <i>Drosophila melanogaster</i> Polytene Chromosomes. <i>Genes</i> , 2020, 11, 417.	2.4	3
11	Molecular and genetic organization of bands and interbands in the dot chromosome of <i>Drosophila melanogaster</i> . <i>Chromosoma</i> , 2019, 128, 97-117.	2.2	7
12	Structural and Functional Dissection of the 5' Region of the Notch Gene in <i>Drosophila melanogaster</i> . <i>Genes</i> , 2019, 10, 1037.	2.4	3
13	Tethering of CHROMATOR and dCTCF proteins results in decompaction of condensed bands in the <i>Drosophila melanogaster</i> polytene chromosomes but does not affect their transcription and replication timing. <i>PLoS ONE</i> , 2018, 13, e0192634.	2.5	10
14	Similarity in replication timing between polytene and diploid cells is associated with the organization of the <i>Drosophila</i> genome. <i>PLoS ONE</i> , 2018, 13, e0195207.	2.5	19
15	Polytene Chromosomes – A Portrait of Functional Organization of the <i>Drosophila</i> Genome. <i>Current Genomics</i> , 2018, 19, 179-191.	1.6	30
16	Regulatory functions and chromatin loading dynamics of linker histone H1 during endoreplication in <i>Drosophila</i> . <i>Genes and Development</i> , 2017, 31, 603-616.	5.9	30
17	Protein and Genetic Composition of Four Chromatin Types in <i>Drosophila melanogaster</i> Cell Lines. <i>Current Genomics</i> , 2017, 18, 214-226.	1.6	15
18	Chromatin Heterogeneity and Distribution of Regulatory Elements in the Late-Replicating Intercalary Heterochromatin Domains of <i>Drosophila melanogaster</i> Chromosomes. <i>PLoS ONE</i> , 2016, 11, e0157147.	2.5	21

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19	Drosophila polytene chromosome bands formed by gene introns. Doklady Biochemistry and Biophysics, 2016, 466, 57-60.	0.9	5
20	The Release 6 reference sequence of the <i>Drosophila melanogaster</i> genome. Genome Research, 2015, 25, 445-458.	5.5	359
21	DNA replication in nurse cell polytene chromosomes of Drosophila melanogaster otu mutants. Chromosoma, 2015, 124, 95-106.	2.2	3
22	Tethering of SUUR and HP1 proteins results in delayed replication of euchromatic regions in Drosophila melanogaster polytene chromosomes. Chromosoma, 2015, 124, 209-220.	2.2	9
23	Genetic Organization of Interphase Chromosome Bands and Interbands in Drosophila melanogaster. PLoS ONE, 2014, 9, e101631.	2.5	59
24	DNA Copy-Number Control through Inhibition of Replication Fork Progression. Cell Reports, 2014, 9, 841-849.	6.4	36
25	Drosophila SUUR protein associates with PCNA and binds chromatin in a cell cycle-dependent manner. Chromosoma, 2013, 122, 55-66.	2.2	33
26	Late Replication Domains Are Evolutionary Conserved in the Drosophila Genome. PLoS ONE, 2013, 8, e83319.	2.5	7
27	Induced transcription results in local changes in chromatin structure, replication timing, and DNA polytenization in a site of intercalary heterochromatin. Chromosoma, 2012, 121, 573-583.	2.2	9
28	Late Replication Domains in Polytene and Non-Polytene Cells of Drosophila melanogaster. PLoS ONE, 2012, 7, e30035.	2.5	37
29	Banding patterns in <i>Drosophila melanogaster</i> polytene chromosomes correlate with DNA-binding protein occupancy. BioEssays, 2012, 34, 498-508.	2.5	19
30	Identical Functional Organization of Nonpolytene and Polytene Chromosomes in Drosophila melanogaster. PLoS ONE, 2011, 6, e25960.	2.5	48
31	Identification and molecular genetic characterization of the polytene chromosome interbands in Drosophila melanogaster. Russian Journal of Genetics, 2011, 47, 521-532.	0.6	13
32	Protein composition of interband regions in polytene and cell line chromosomes of Drosophila melanogaster. BMC Genomics, 2011, 12, 566.	2.8	24
33	Induced decondensation of heterochromatin in Drosophila melanogaster polytene chromosomes under condition of ectopic expression of the Suppressor of underreplication gene. Fly, 2011, 5, 181-190.	1.7	9
34	Intercalary heterochromatin in the genome of Drosophila. Russian Journal of Genetics, 2010, 46, 1240-1242.	0.6	0
35	Molecular combing in studies of the genome organization and DNA replication. Russian Journal of Genetics, 2010, 46, 1243-1246.	0.6	1
36	Gene density profile reveals the marking of late replicated domains in the Drosophila melanogaster genome. Chromosoma, 2010, 119, 589-600.	2.2	26

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37	Localization and characteristics of DNA underreplication zone in the 75C region of intercalary heterochromatin in <i>Drosophila melanogaster</i> polytene chromosomes. <i>Chromosoma</i> , 2009, 118, 747-761.	2.2	7
38	Interaction between the <i>Drosophila</i> heterochromatin proteins SUUR and HP1. <i>Journal of Cell Science</i> , 2008, 121, 1693-1703.	2.0	26
39	SUUR joins separate subsets of PcG, HP1 and B-type lamin targets in <i>Drosophila</i> . <i>Journal of Cell Science</i> , 2007, 120, 2344-2351.	2.0	54
40	High-resolution analysis of <i>Drosophila</i> heterochromatin organization using <i>SuUR</i> <i>Su(var)3-9</i> double mutants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 12819-12824.	7.1	27
41	The SU(VAR)3-9/HP1 Complex Differentially Regulates the Compaction State and Degree of Underreplication of X Chromosome Pericentric Heterochromatin in <i>Drosophila melanogaster</i> . <i>Genetics</i> , 2007, 175, 609-620.	2.9	19
42	The <i>SuUR</i> gene influences the distribution of heterochromatic proteins HP1 and SU(VAR)3-9 on nurse cell polytene chromosomes of <i>Drosophila melanogaster</i> . <i>Chromosoma</i> , 2006, 115, 296-310.	2.2	13
43	DNA underreplication in intercalary heterochromatin regions in polytene chromosomes of <i>Drosophila melanogaster</i> correlates with the formation of partial chromosomal aberrations and ectopic pairing. <i>Chromosoma</i> , 2006, 115, 355-366.	2.2	26
44	Genomic analysis of <i>Drosophila</i> chromosome underreplication reveals a link between replication control and transcriptional territories. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 8269-8274.	7.1	76
45	Electron Microscopy of Polytene Chromosomes. , 2004, 247, 305-324.		11
46	Molecular and genetic organization of <i>Drosophila melanogaster</i> polytene chromosomes: evidence for two types of interband regions. <i>Genetica</i> , 2004, 122, 311-324.	1.1	13
47	Intercalary heterochromatin in <i>Drosophila melanogaster</i> polytene chromosomes and the problem of genetic silencing. <i>Genetica</i> , 2003, 117, 259-270.	1.1	14
48	The MSL complex levels are critical for its correct targeting to the chromosomes in <i>Drosophila melanogaster</i> . <i>Chromosoma</i> , 2003, 112, 103-115.	2.2	72
49	Intercalary heterochromatin and genetic silencing. <i>BioEssays</i> , 2003, 25, 1040-1051.	2.5	51
50	Overexpression of the <i>SuUR</i> gene induces reversible modifications at pericentric, telomeric and intercalary heterochromatin of <i>Drosophila melanogaster</i> polytene chromosomes. <i>Journal of Cell Science</i> , 2003, 116, 169-176.	2.0	33
51	Nurse cell polytene chromosomes of <i>Drosophila melanogaster</i> <i>otu</i> mutants: Morphological changes accompanying interallelic complementation and position effect variegation. , 1997, 20, 163-174.		12
52	Constitutive heterochromatin in early embryogenesis of <i>Drosophila melanogaster</i> . <i>Molecular Genetics and Genomics</i> , 1991, 229, 316-318.	2.4	41
53	Immunofluorescence localization of DNA:RNA hybrids in <i>Drosophila melanogaster</i> polytene chromosomes. <i>Chromosoma</i> , 1985, 91, 251-258.	2.2	28
54	Cytogenetic analysis of the X chromosome region 2B3-4 ? 2B11 of <i>Drosophila melanogaster</i> . <i>Chromosoma</i> , 1982, 86, 251-263.	2.2	16